

Question 3

<https://www.fairfield.edu/admission-and-aid/tuition-and-costs/office-of-the-bursar/billing/index.html>

Inside **table.html**, you may find the HTML from the table at the above URL. The CSS file **ripped.css** within the directory contains the same CSS that the fairfield.edu site uses, ripped directly from the import at the top of the page. For this reason, it is overly verbose, however it represents the same production environment that the table was found in. In **optimized.html**, an improved version of this table with a suite of improvements can be found.

The improved table incorporates several accessibility enhancements designed to make it easier for all users, particularly those relying on screen readers or assistive technology, to understand and navigate. Key changes include adding **scope** attributes to column headers, which explicitly associate the header cells with their respective data cells, improving clarity for screen readers. The **caption** was improved to provide more detailed context about the table, allowing users to understand its purpose immediately.

Some other tags like **time** and **abbr** were introduced to standardize date formats and improve the interpretation of date ranges (e.g., "Late November/Early December") and abbreviations (e.g., "Dec 24 – Jan 1"). These tags help screen readers parse and “speak” the content correctly. Also, in general, it is important to note that grouping multiple pieces of information within a cell into lists ensures better organization and readability. Adding **aria-label** attributes to certain date ranges provides descriptive text for screen readers without altering the visual output.

These changes collectively ensure a more inclusive experience, allowing users to engage effectively with the content, especially if they are impaired and use screen readers or other services to navigate the site.